

Substitute for form 1449/PTO

Complete if Known

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

JUL 21 2003

JC53

44

PATENT

TRADEMARK

OFFICE

US

PTO

1

Sheet

1

of

4

Application Number

2962.07US02

Filing Date

February 5, 2002

First Named Inventor

Pathak

Art Unit

1653

Examiner Name

A. Mohamed

Attorney Docket Number

2962.07US02

U.S. PATENT DOCUMENTS

EXAMINER INITIAL ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
AJW		US-2,533,004	12-05-1950	Ferry et al. 604/82
		US-3,520,949	07-21-1970	Shepard et al. 604/164
		US-4,101,380	07-18-1978	Rubinstein et al. 195/63
		US-4,359,049	11-16-1982	Redl et al. 128/218
		US-4,565,784	01-21-1986	Franzblau et al. 435/240
		US-4,601,286	07-22-1986	Kaufman 128/999.999
		US-4,631,055	12-23-1986	Redl et al. 604/82
		US-4,646,730	03-03-1987	Schonfeld et al. 999/156
		US-4,670,417	06-02-1987	Iwasaki et al. 514/6
		US-4,735,616	04-05-1988	Eibl et al. 604/191
		US-4,874,368	10-17-1989	Miller et al. 604/82
		US-4,902,281	02-20-1990	Avoy 604/191
		US-4,932,942	06-12-1990	Maslanka 604/164
		US-4,937,270	06-26-1990	Hamilton et al. 514/777
		US-4,938,763	07-03-1990	Dunn 604/891-1
		(Reexam)	07-03-1990	Dunn 604/891-1
		US-4,978,336	12-18-1990	Capozzi et al. 604/82
		US-5,024,742	06-18-1991	Nesburn et al. 204/157-68
AJW		US-5,030,215	07-09-1991	Morse et al. 604/410

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
AJW		WO 91/09641	07-11-1991	Morse et al.	
		WO 94/03155	02-17-1994	Weissleder et al.	
		WO 94/13311	06-23-1994	Sherr et al.	
AJW		WO 96/03159	02-08-1996	Barrows et al.	

EXAMINER SIGNATURE

Abdel A. Mohamed

DATE
CONSIDERED

5/3/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	2962.07US02
				Filing Date	February 5, 2002
				First Named Inventor	Pathak
				Art Unit	1653
				Examiner Name	A. Mohamed
Sheet 1 of 2	of 4	Attorney Docket Number 2962.07US02			
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
		Number-Kind Code ² (if known)		Class/Subclass	
<i>Any</i>		US-5,041,292	08-20-1991	Feijen	424/484
		US-5,104,909	04-14-92	Grasel	521/159
		US-5,116,315	09-01-1992	Capozzi et al.	604/82
		US-5,143,662	09-01-1992	Chesterfield et al.	264/008
		US-5,296,518	03-22-1994	Grasel	521/176
		US-5,318,524	06-07-1994	Morse et al.	604/082
		US-5,368,563	11-29-1994	Lonneman et al.	604/082
		US-5,395,923	03-07-1995	Bui-Khac et al.	530/381
		US-5,399,351	03-21-1995	Leshchiner et al.	424/422
		US-5,405,607	04-11-1995	Epstein	424/94-64
		US-5,410,016	04-25-1995	Hubbell et al.	528/354
		US-5,419,491	05-30-95	Breitsprecher	239/009
		US-5,426,148	06-20-1995	Tucker	524/496
		US-5,474,540	12-12-1995	Miller et al.	604/191
		US-5,476,909	12-19-1995	Kim et al.	525/408
		US-5,505,704	04-09-1996	Pawelka et al.	604/191
		US-5,514,380	05-07-1996	Song et al.	424/426
		US-5,567,435	10-22-1996	Hubbell et al.	424/426
<i>Am</i>		US-5,573,934	11-12-1996	Hubbell et al.	435/177
<i>An</i>		US-5,582,596	12-10-1996	Fukunaga et al.	604/191
FOREIGN PATENT DOCUMENTS					
EXAMINER INITIAL ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)		T ⁶	
<i>An</i>		WO 98/35631	08-20-1998	Pathak	
<i>Am</i>		WO 00/72852	12-07-2000	Amery et al.	
<i>C</i>		WO 00/12018	03-09-2000	Cruise et al.	
<i>M</i>		EP 0557199	08-25-1993	Bischoff	
EXAMINER SIGNATURE	<i>Abdel A. Mohamed</i>		DATE CONSIDERED	5/3/04	
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>					
<small>¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.</small>					
<small>This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</small>					

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	2962.07US02
				Filing Date	February 5, 2002
				First Named Inventor	Pathak
				Art Unit	1653
				Examiner Name	A. Mohamed
PATENT TRADEMARK OFFICE JUL 21 2003 CS 5	Sheet 3	of 4		Attorney Docket Number	2962.07US02
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL [*]	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
		Number-Kind Code ² (<i>if known</i>)		Class/Subclass	
Amy	US-5,605,541	02-25-1997	Holm	604/082	
	US-5,626,863	05-06-1997	Hubbell et al.	424/426	
	US-5,644,049	07-01-1997	Giusti et al.	536/053	
	US-5,656,035	08-10-1999	Avoy	604/191	
	US-5,702,361	12-30-1997	Evans et al.	604/053	
	US-5,749,968	04-12-1998	Melanson et al.	118/300	
	US-5,773,025	06-30-1998	Baichwal	424/458	
	US-5,810,885	09-22-1998	Zinger	606/213	
	US-5,844,023	12-01-1998	Tomka	524/047	
	US-5,855,618	01-05-1999	Patnaik et al.	623/011	
	US-5,951,583	09-14-1999	Jensen et al.	606/194	
	US-6,033,654	03-07-2000	Stredronsky et al.	424/078	
	US-6,046,305	04-04-2000	Choi	528/491	
	US-6,051,648	04-18-2000	Rhee et al.	525/054-1	
	US-6,124,273	09-26-2000	Drohan et al.	514/053	
	US-6,214,374	04-10-2001	Schmirler et al.	424/449	
	US-6,251,382	06-26-2001	Greenwald et al.	424/078,17	
	US-6,371,975	04-16-2002	Cruise et al.	606/214	
Amy	US-6,458,889	10-01-2002	Trollsas et al.	525/054	
FOREIGN PATENT DOCUMENTS					
EXAMINER INITIAL [*]	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)			
EXAMINER SIGNATURE	Abdel A. Mohamed		DATE CONSIDERED	5/3/04	
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>					
<small>¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.</small>					
<small>This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</small>					

Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	2962.07US02
Filing Date	February 5, 2002
First Named Inventor	Pathak
Art Unit	1653
Examiner Name	A. Mohamed

JUL 21 2003
SAC 53
PATENT & TRADEMARK OFFICE

Sheet 4 of 4

Attorney Docket Number 2962.07US02

NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL	CITE NO. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>AM</i>		Kissell et al., "Parenteral depot-systems on the basis of biodegradable polyesters", <i>J of Controlled Release</i> 16:27-42 (1991).	
<i>AM</i>		Tabata et al., "Controlled Delivery Systems for Proteins Using Polyanhydride Microspheres" <i>Pharmaceutical Research</i> , Vol. 10, No. 4, 1993.	
		Mathiowitz et al., "Polyanhydride Microspheres As Drug Carriers I. Hot-Melt Microencapsulation", <i>J Controlled Release</i> 5:13-22 (1987).	
		Irwin et al., "The Effect of Cyclodextrins on the Stability of Peptides in Nasal Enzymic Systems" <i>Pharmaceutical Research</i> , Vol. 11, No. 12, 1994.	
		Pathak et al., "Rapid Photopolymerization of Immunoprotective Gels in Contact with Cells and Tissue", <i>J Am Chem. Soc.</i> , 114, 8311-8312 (1992).	
		Keogh et al., "Albumin binding surfaces for biomaterials", <i>Laboratory and Clinical Medicine</i> , 124.4:537-545 (1994).	
		Nihant et al., "Polylactide Microparticles Prepared by Double Emulsion-Evaporation", <i>J. Colloid & Interface Science</i> 173:55-65 (1995).	
		Walther et al., "Pore-Size Distributions of Cationic Polyacrylamide Hydrogels of Different Compositions Maintained at the Same Swelling Capacity", <i>J. Macromol. Sci.-Phys.</i> B33 (3&4):267-286 (1994).	
		Sawhney et al., "Bioerodible Hydrogels Base don Photopholmerized Poly(ethylene glycol)-co-poly(α -hydroxy acid) Diacrylate Macromers", <i>Macromolecules</i> 26:581-587 (1993).	
<i>AM</i>		Reddi et al., "Polyurethane Microspheres as Drug Carriers", <i>Macromolecular Reports</i> A32:789-799 (1995).	
<i>AM</i>		Schlag & Redl, "Fribin Sealant in Orthopedic Surgery" <i>Fibrin Sealant in Operative Orthopedic Surgery</i> Vol. 1-7:269-284 (1986).	

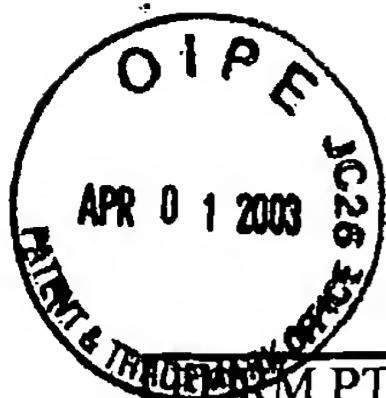
EXAMINER SIGNATURE

*Abdel A. Mohamed*DATE
CONSIDERED*5/31/04*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

(Use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number 10/068,807

Filing Date February 5, 2002

First Named Inventor

Art Unit 1653

Examiner Name

142481

~~RECEIVED~~

~~JUN 11 200~~

~~TECH CENT~~ 11 2003

~~ENTER 1600/2900~~

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

EXAMINER SIGNATURE	Abdel A. Mohamed	DATE CONSIDERED	5/3/04
-----------------------	------------------	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

JUN 06 2002

FORM PTO-1449 MODIFIED
INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

Docket No.: 2962.07US02 Application No.: 10/068,807

APPLICANT: C. Pathak
FILING DATE: February 5, 2002
GROUP ART UNIT: 1653

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AJY	5,162,430	11/10/92	Rhee et al.	525	54.1	
	5,304,595	04/19/94	Rhee et al.	525	54.1	
	5,324,775	06/28/94	Rhee et al.	525	54.2	
	5,328,955	07/12/94	Rhee et al.	525	54.1	
	5,413,791	05/09/95	Rhee et al.	424	422	JUN 11 2002
	5,446,090	08/29/95	Harris	525	54.1	
	5,446,091	08/29/95	Rhee et al.	525	54.1	
	5,470,911	11/28/95	Rhee et al.	525	54.1	
	5,475,052	12/12/95	Rhee et al.	525	54.1	
	5,514,379	05/07/96	Weissleder et al.	424	426	
	5,527,856	06/18/96	Rhee et al.	525	54.1	
	5,550,187	08/27/96	Rhee et al.	525	54.1	
	5,565,519	10/15/96	Rhee et al.	525	54.1	
	5,583,114	12/10/96	Barrows	514	21	
	5,614,587	03/25/97	Rhee et al.	525	54.1	
	5,631,322	05/20/97	Veronese et al.	525	54.1	
	5,643,464	07/01/97	Rhee et al.	210	748	
	5,672,622	09/30/97	Hedgepeth et al.	514	424	
	5,741,223	04/21/98	Janzen et al.	604	15	
	5,744,545	04/28/98	Rhee et al.	525	54.1	
	5,752,974	05/19/98	Rhee et al.	606	214	
	5,786,421	07/28/98	Rhee et al.	525	54.1	
	5,800,541	09/01/98	Rhee et al.	623	11	
	5,807,581	09/15/98	Rosenblatt et al.	424	484	
	5,874,500	02/23/99	Rhee et al.	525	54.1	
	5,932,462	08/03/99	Harris et al.	435	188	
	5,936,035	08/10/99	Rhee et al.	525	54.1	
	6,051,648	04/18/00	Rhee et al.	525	54.1	
	6,110,484	08/29/00	Sierra	424	426	
	6,156,531	12/05/00	Pathak et al.	435	40.5	
	6,214,966	04/10/01	Harris	528	322	
	6,258,351	07/10/01	Harris	424	78.3	
AJY	6,312,725	11/06/01	Wallace et al.	424	484	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
AJY	WO97/22371	06/26/97	PCT				
AJY	WO99/10022	03/04/99	PCT				

EXAMINER SIGNATURE

As del A. Molanay

DATE CONSIDERED

5/3/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.